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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Ake SIVARD

Group Art Unit: 2819

Application No. 10/730,528

Examiner: Joseph Lauture

Filed: December 8, 2003

For: ULTRA LOW POWER ANALOG TO DIGITAL CONVERTER

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

(SUBMISSION AFTER A FINAL REJECTION OR NOTICE OF ALLOWANCE)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- X Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.

III. CONCISE EXPLANATION OF THE RELEVANCE

(check at least one box)

- a. X Except as may be indicated below in (b), all of the patents, publications or other information are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).

- b. ☐ A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:
- c. ☐ The following additional information is provided for the Examiner's consideration.

IV. ☐ THIS IDS IS BEING FILED UNDER 37 CFR § 1.97(b):
(check one box)

- a. ☐ within three months of the filing date of a national application (37 CFR § 1.97(b)(1)). No fee or certification is required.
- b. ☐ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 CFR § 1.97(b)(2)). No fee or certification is required.
- c. ☐ before the mailing of a first Office action on the merits 37 CFR § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 CFR § 1.97(c) and see the certification under 37 CFR § 1.97(e) below, or, if no certification has been made, charge our deposit account a fee in the amount of \$180 as required by 37 CFR § 1.17(p).
- d. ☐ before the mailing of a first Office action after the filing of a request for continued examination under § 1.114 37 CFR § 1.97(b)(4). No fee or certification is required.

V. ☐ THIS IDS IS BEING FILED UNDER 37 CFR § 1.97(c):
(check one box)

before the mailing date of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application.

- a. ☐ No certification; therefore, a fee in the amount of \$180 is required by 37 CFR § 1.17(p);
- or
- b. ☐ See the certificate below. No fee is required.

VI. X THIS IDS IS BEING FILED UNDER 37 CFR § 1.97(d):
(check one box)

after the mailing date of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application, and is filed on or before payment of the issue fee and is accompanied by:

- a. X The statement specified in paragraph 1.97(e); and
- b. X The fee set forth in § 1.17(p).

VII. STATEMENT UNDER 37 CFR § 1.97(e): (check only one box)

The undersigned hereby states that

- a. X each item of information contained in the IDS was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this statement.

VIII. PAYMENT OF FEES (check one box)

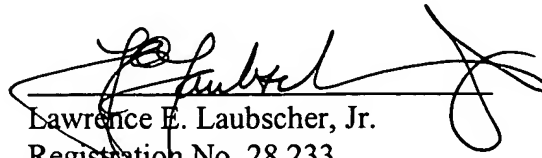
- X A Credit Card Payment form authorizing a charge in the amount of \$180 is enclosed for the above-identified fee.
- Please charge Deposit Account No. 50-1936 in the amount of \$180 for the above-indicated fee. This paper is filed in duplicate.
- No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 50-1936.

Please charge any additional fees or credit any overpayment pursuant to 37 CFR § 1.16 or 1.17 to Deposit Account No. 50-1936.

Respectfully submitted,

November 24, 2004


Lawrence E. Laubscher, Jr.
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Telephone: (410) 280-6608

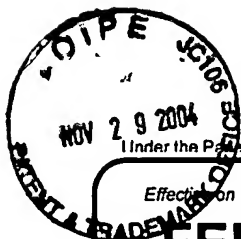
Enclosures: X PTO-1449
X References
X Foreign Office Action
X Fee
___ Other:

CERTIFICATE OF MAILING

I hereby certify that this correspondence and documents identified as being enclosed herewith are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 24, 2004.

Shelly Hubbard





PTO/SB/17 (11-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 10/01/2004. Patent fees are subject to annual revision.

FEE TRANSMITTAL
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) **180****Complete if Known**

Application Number	10/730,528
Filing Date	December 8, 2003
First Named Inventor	Ake SIVARD
Examiner Name	Joseph Lauture
Art Unit	2819
Attorney Docket No.	23434

METHOD OF PAYMENT (check all that apply)☐ Check ☒ Credit Card ☐ Money Order☐ Deposit Account ☐ NoneDeposit
Account
Number

Deposit
Account
Name

50-1936

Laubscher Severson

The Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments

to the above-identified deposit account.

☐ Other (please identify):**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING FEE**

Fee Description	Fee (\$)	Small Entity Fee (\$)	Fee Paid(\$)
Utility Filing Fee	790	395	
Design Filing Fee	350	175	
Plant Filing Fee	550	275	
Reissue Filing Fee	790	395	
Provisional Filing Fee	160	80	
Subtotal (1) \$	0		

FEE CALCULATION (continued)**2. EXTRA CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20	18	9
Each independent claim over 3	88	44
Multiple dependent claims	300	150
For Reissues, each claim over 20 and more than in the original patent	18	9
For Reissues, each independent claim more than in the original patent	88	44

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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- 20 or HP = _____ x _____ = _____
HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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- 3 or HP = _____ x _____ = _____
HP = highest number of independent claims paid for, if greater than 3

Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
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Subtotal (2) \$ 0**3. OTHER FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)	Fee Paid(\$)
1-month extension of time	110	55	
2-month extension of time	430	215	
3-month extension of time	980	490	
4-month extension of time	1,530	765	
5-month extension of time	2,080	1,040	
Information disclosure stmt. fee	180	180	180
37 CFR 1.17(q) processing fee	50	50	
Non-English specification	130	130	
Notice of Appeal	340	170	
Filing a brief in support of appeal	340	170	
Request for oral hearing	300	150	
Other:			

Subtotal (3) \$ 180**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	28,233	Telephone	410-280-6608
Name (Print/Type)	Lawrence E. Laubscher, Jr.	Date	11/24/2004		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/730,528
		Filing Date	December 8, 2003
		First Named Inventor	Ake SIVARD
		Group Art Unit	2819
		Examiner Name	Joseph Lauture
Sheet 1 of 1	Attorney Docket No.	23226	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document No.	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figs. Appear
		4,779,617	Whigam	10-25-1988	
		5,543,795	Fernald	08-06-1996	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Office ²	Number ³				
		EP	0372526 A	Nippon Electric Co.	06-13-1990		
		FR	2798593 A	Medtronic Inc.	03-23-2001		
		JP	08205253 A	Fuji Electric Co. Ltd; Fuji Facom Corp.	12-26-1996		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁴

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹Unique citation designation number. ²Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ³For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴Applicant is to place a check mark here if English language translation is attached.